

# Course of Study Information and Communication Systems (Study Cohort w20)

Sample course plan D Master Information and Communication Systems (IMPICS)

Legend:

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Specialisation Secure and Dependable IT Systems, Focus Networks, Focus Software and Signal Processing

1	<b>Software Verification</b>		<b>Information Theory and Coding</b>		<b>Research Project and Seminar</b>		<b>Master Thesis</b>
2	Software Verification	VL 2	Information Theory and Coding	VL 3	Seminar	SE 2	
3	Software Verification	GÜ 2	Information Theory and Coding	HÜ 2	Project Work	PK 10	
4							
5							
6							
7	<b>Communication Networks</b>		<b>Model Checking - Proof Engines and Algorithms</b>				
8	Communication Networks	VL 2	Model Checking - Proof Engines and Algorithms	VL 2			
9	Communication Networks Exercise	PBL 1	Model Checking - Proof Engines and Algorithms	GÜ 2			
10	Selected Topics of Communication Networks	PBL 2					
11							
12							
13	<b>Digital Image Analysis</b>		<b>Design of Dependable Systems</b>				
14	Digital Image Analysis	VL 4	Designing Dependable Systems	VL 2			
15			Designing Dependable Systems	GÜ 2			
16							
17							
18							
19			<b>Pattern Recognition and Data Compression</b>		<b>Traffic Engineering</b>		
20			Pattern Recognition and Data Compression	VL 4	Traffic Engineering	VL 2	
21					Traffic Engineering Exercises	GÜ 1	
22					Seminar Traffic Engineering	SE 2	
23							
24							
25							
26							
27							
28							
29							
30							
Business & Management (from catalogue) - 6LP							
Non-technical Courses for Master (from catalogue) - 6LP							
Technical Complementary Course for IMPICS (according to Subject Specific Regulations) - 12LP							

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

